AMG Physio logic™

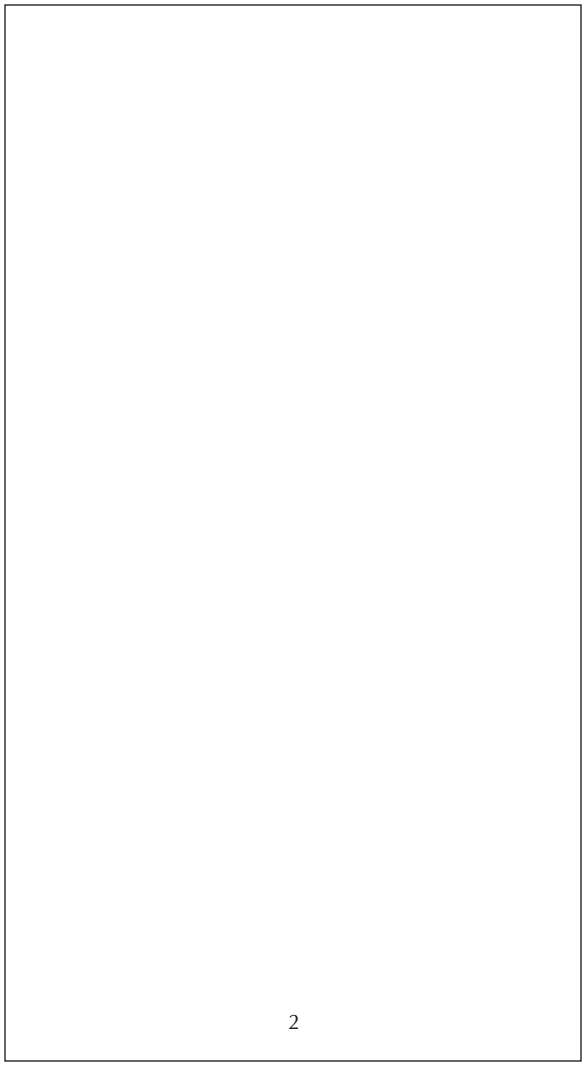
Insta-Therm™ MC

All-in-One Thermometer

Ear • Forehead • Ambient Room Temperature

Instructions

016-650



Contents

Introduction 4

Important notes 5

Exterior appearance and functions 6

Operating instructions 7-10

Battery replacement 10

Display messages 11

Technical specifications 11-12

Care and cleaning 12

Protection 12

Troubleshooting 13

Warranty 14

Introduction

Dear Customer,

Thank you for purchasing your new AMG Physiologic™ Insta-Therm All-In-One thermometer. This thermometer's innovative 3 in 1 design offers 3 convenient and accurate temperature measures instantly.

Speed:

- Advanced technology allows for instant digital readings in just 0.1 seconds.

Accurate:

- Proven clinical accuracy for readings you can trust.
- 512 scanning sequences per second ensures accuracy.
- At each power-on, the Physiologic Insta-Therm All-In-One thermometer performs an automatic self-test to ensure accurate readings.

Comfortable:

- Requires no probe covers!
- Modern and versatile compact design makes taking temperature readings easier.

Hygienic:

- Easy to clean waterproof probe design.

Convenient:

- Innovative design allows for choice of 3 temperature measures: Ear, Forehead and Ambient Room.

User Friendly:

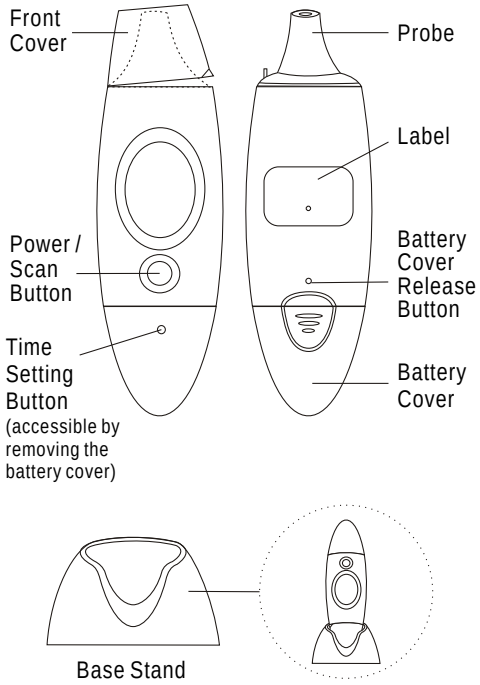
- One-button easy operation and large easy-to-read large 4-digit LCD give convenience in a touch of a finger.

In order to obtain accurate measurements make sure to read this instruction manual thoroughly and carefully before using. Keep it handy for future reference.

Important notes:

- This thermometer is designed for use without probe covers.
- The thermometer is a delicate electronic device. Please handle with care.
- The thermometer body is NOT waterproof except for the infrared probe, direct contact of the body with water or other liquids must be avoided.
- Do not expose the thermometer to direct sunlight.
- Store at normal room temperature and humidity. Keep it in its storage base and out of reach of children.
- The thermometer is produced with high quality materials.
- Use of this thermometer should not replace a visit to your doctor.
- This thermometer is designed for taking temperatures from the ear, forehead and ambient room only. DO NOT use it for measuring rectal, oral or underarm temperatures.
- Do not measure temperature within 30 minutes of eating, exercising or bathing.

Exterior appearance and functions



Note: Use thumb for easy removal of front cover from thermometer.

Operating Instructions

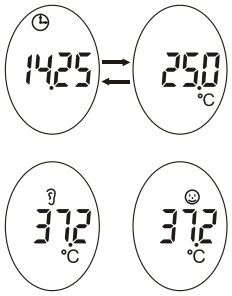
The clock function must be set when using the thermometer for the first time or when re-installing the battery.
This step is critical to activating the ambient room temperature measurement function and to ensure the proper operation of the thermometer.

(1) To set the clock, press the battery release button downwards to remove the battery cover from the thermometer. Next, press the time-setting button. This will make the hour digits blink. Adjust the hour to the correct time using the power/scan button. Next, press the time-setting button and power/scan button again to set the minute digits.

(2) Two Display Modes:

Clock/Ambient Room Temperature Mode: The thermometer can display the clock and ambient room temperature interchangeably.

Body Temperature Mode: The thermometer can display body temperature readings in Celsius.

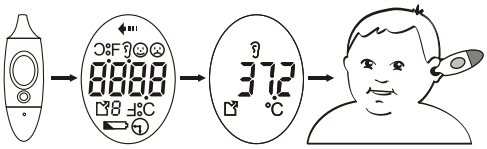


How to switch from forehead scan mode to ear scan mode

To switch from forehead scan mode to ear scan mode, simply take off the front cover. Alternatively, replace the front cover onto the thermometer when switching from forehead scan mode to ear scan mode.

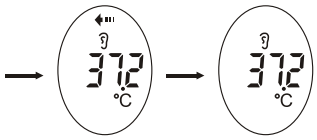
Taking temperature readings with the ear scan mode

To take the temperature in the ear, first ensure the front cover is removed from the thermometer, next press the power/scan button. The screen will display in sequence the symbols of all segments, followed by the last temperature reading taken. Next, the thermometer will beep twice and enter into standby mode. It is now ready for use.



Insert the probe into the ear canal. To ensure an accurate reading, be sure to position the probe properly by setting the probe tip to scan down the ear canal to the eardrum. Press the power/scan button without releasing it to activate the automatic scanning sequences.

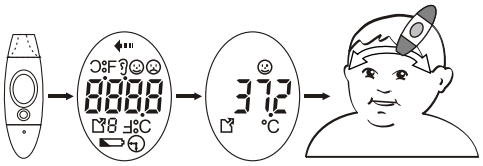
You will hear a beep sound to indicate the end of the measurement. The temperature reading accompanying with an indicating ear drawing will be show on the display.



Taking temperature readings with the forehead scan mode

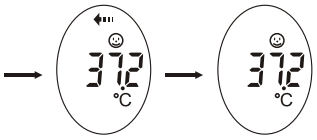
To take the body temperature using the forehead mode, first ensure the front cover is on the thermometer, next press the power/scan button. The screen will display in sequence the symbols of all segments, followed by the last temperature reading taken.

Next, the thermometer will beep twice and enter into standby mode. It is now ready for use.



Place the tip of the probe onto either side of your temples, while keeping the power/scan button pressed. Slowly move the thermometer tip across the forehead from one temple to the other. Release the power/scan button to complete the measurement.

You will hear a beep sound to indicate the end of the measurement. The temperature reading accompanying with an indicating face drawing will show on the display.



Notes:

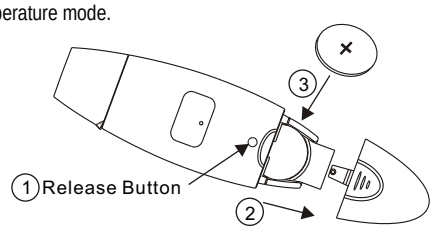
- A “Hi” symbol will appear when the temperature exceeds the measuring range.
- The remark “Err” appears if the operating temperature is not within the permissible range.
- Multiple readings should be at least 5 seconds apart to ensure precise temperature readings.
- Once finished taking measurements, thermometer will automatically revert to clock/ambient room temperature mode.
- Condition of skin and surrounding environment affect forehead temperature readings.
- Forehead measurements are automatically converted to relative oral temperatures.

Battery Replacement and Installation

For battery removal, press the battery cover release button downwards to open the battery cover. For battery installation, use one 3V CR2032 lithium battery, place negative lead down, insert the battery into the bracket and replace battery cover onto thermometer (see diagram) .

Replace the battery when the “low battery” warning symbol appears on the display. Dispose of the battery in a safe manner, keeping it away from children and heat.

Note: removal of the battery will require resetting of the clock function in order to activate the clock/ambient room temperature mode.



Display Messages:

Reading Display.....

Measuring in Progress.....

Ear Scan Mode.....

Forehead Scan Mode.....

Celsius Scale..... °C

Clock.....

Low Battery.....

Last Memorized
Temperature Display.....

Technical specifications

Measurement Range: 10°C - 50°C

Measuring accuracy: ± 0.2°C: from 36°C to 39°C
± 0.3°C: less than 36°C or greater than 39°C

Response time:

A temperature reading is obtained in merely 0.1 second.

Memory function:

Displaying the last taken temperature when powered-on.

Easy-cleaning and environmentally friendly:

The probe tip is equipped with waterproof lens allowing water rinsing. No extra probe cover is required.

Power Saving:

Automatically reverts to clock/ambient room temperature mode

Warning indication:

"Low battery" symbol and "Hi" symbol indicating out of measuring range.

Operating environment:

16°C to 40°C with relative humidity up to 95% (non condensing).

This thermometer meets the requirements of ASTM E 1965-98, "Standard specification for infrared thermometers for intermittent determination of patient temperature".

Care and cleaning

Clean the uniquely-designed waterproof probe with a soft, alcohol-moistened cloth after each use.

Clean the body of the ear thermometer with a soft, dry cloth. NO WATER RINSING OF THE THERMOMETER BODY IS ALLOWED.

Never use an abrasive cleanser or submerge the body of the ear thermometer in water or other liquids.

Protection

Do not expose the thermometer to extreme temperature, very high humidity, or direct sunlight. Avoid extreme shock or accidental drop-down.

Do not touch the probe tip with fingers. Do not disassemble the thermometer.

Troubleshooting

1. *Consistent low temperature readings:*

- The probe is not positioned properly in the ear canal.
  - The tip of the probe must be fully seated against the opening of the ear canal. Failure to properly position the probe may lead to a low temperature reading.
- The waterproof lens is dirty.
  - Thoroughly clean the lens with a soft, alcohol-moistened cotton cloth.

2. *Temperature taken is not within the measuring range.*

- Scanning sequences are not operated in the ear canal.
  - It may occur if you operate the scanning sequences before placing the ear thermometer in the ear while the ambient room temperature is not within the measuring range (see “Technical specifications”). Remember not to release the SCAN button until the thermometer has been removed from the ear canal.

3. *Low battery warning*

- Battery is too low to take measurement.
  - Replace the battery (see “Battery installation).

4. The thermometer will emit short and rapid beep sounds and the ear or forehead symbols will flash if the thermometer is not ready to take a measurement. Simply press any button to stop the temperature measurement process. Wait until the symbol stops flashing and beeping sounds stop before attempting to re-take a temperature reading.

Warranty

One year limited warranty. All AMG Medical Inc. products are warranted against defects in materials and workmanship. AMG's warranty does not cover product abuse or normal wear. AMG's warranty is for the original user only.

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